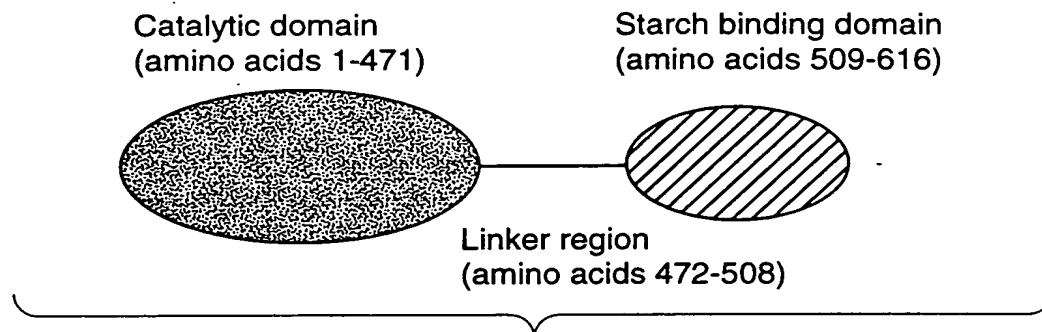


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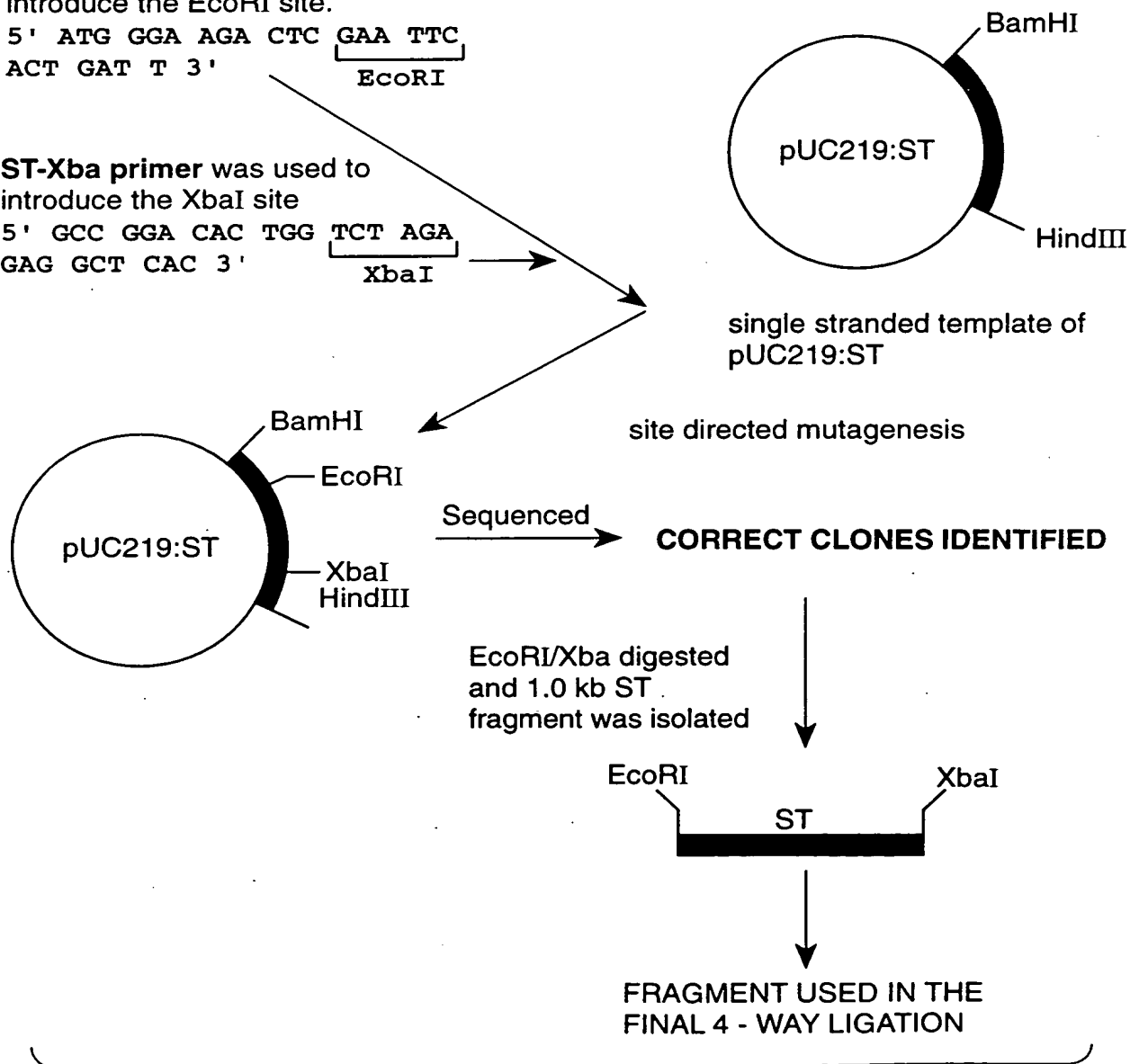
**FIG. 1**

**ST-EcoRI primer** was used to introduce the EcoRI site.

5' ATG GGA AGA CTC GAA TTC  
ACT GAT T 3' EcoRI

**ST-Xba primer** was used to introduce the XbaI site

5' GCC GGA CAC TGG TCT AGA  
GAG GCT CAC 3' XbaI

**FIG. 2A**

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**GAM-ST link SalI-EcoRI no kex**

TCG ACC GCG ACG GTG ACC GAC ACC TGG CGG CTA CAC TTA CTC CAA TGG  
 GAA GAC TCG  
 AAT CGA GTC TTC CCA TTG GAG TAA GTG TAG CCG CCA GGT GTC GGT CAC  
 CGT CGC GG

annealed and  
phosphorylated

Subcloned into  
pSL1180: NheI/EcoRI

**CORRECT CLONES  
VERIFIED BY  
SEQUENCING**

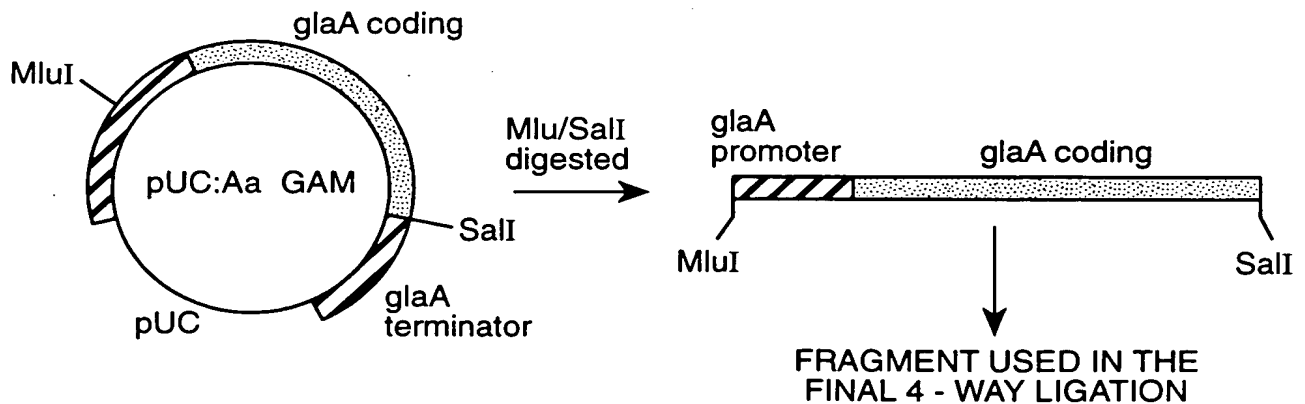
annealed and  
phosphorylated

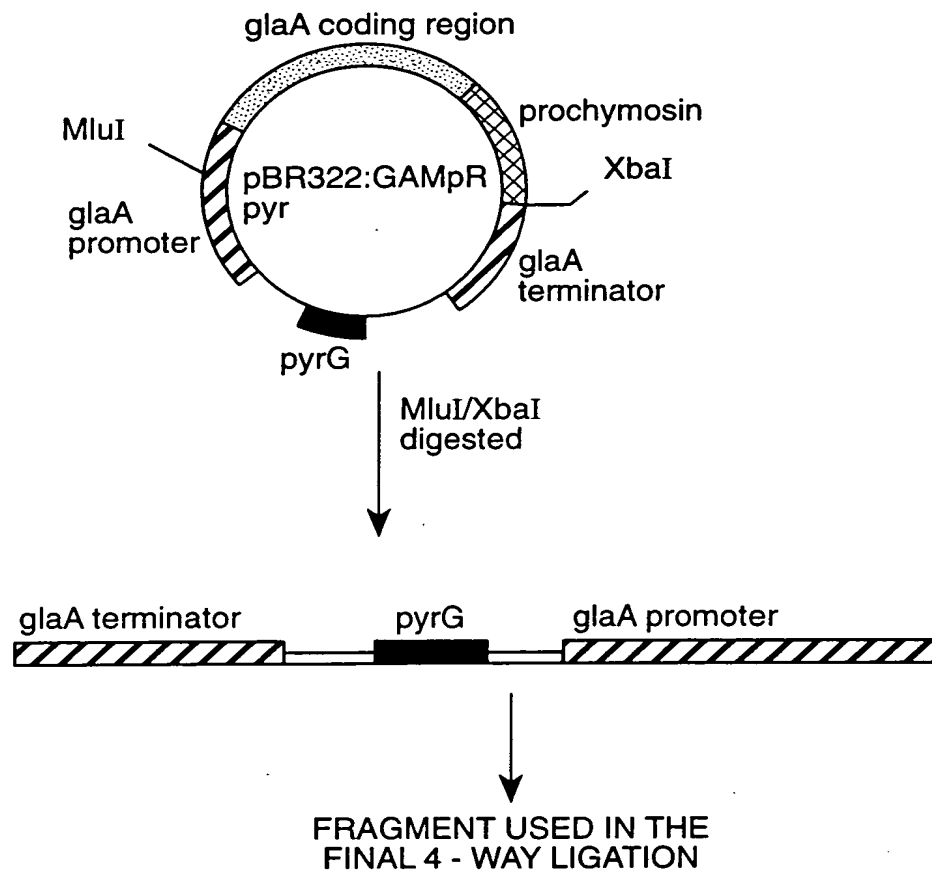
Subcloned into  
pSL1180: NheI/EcoRI

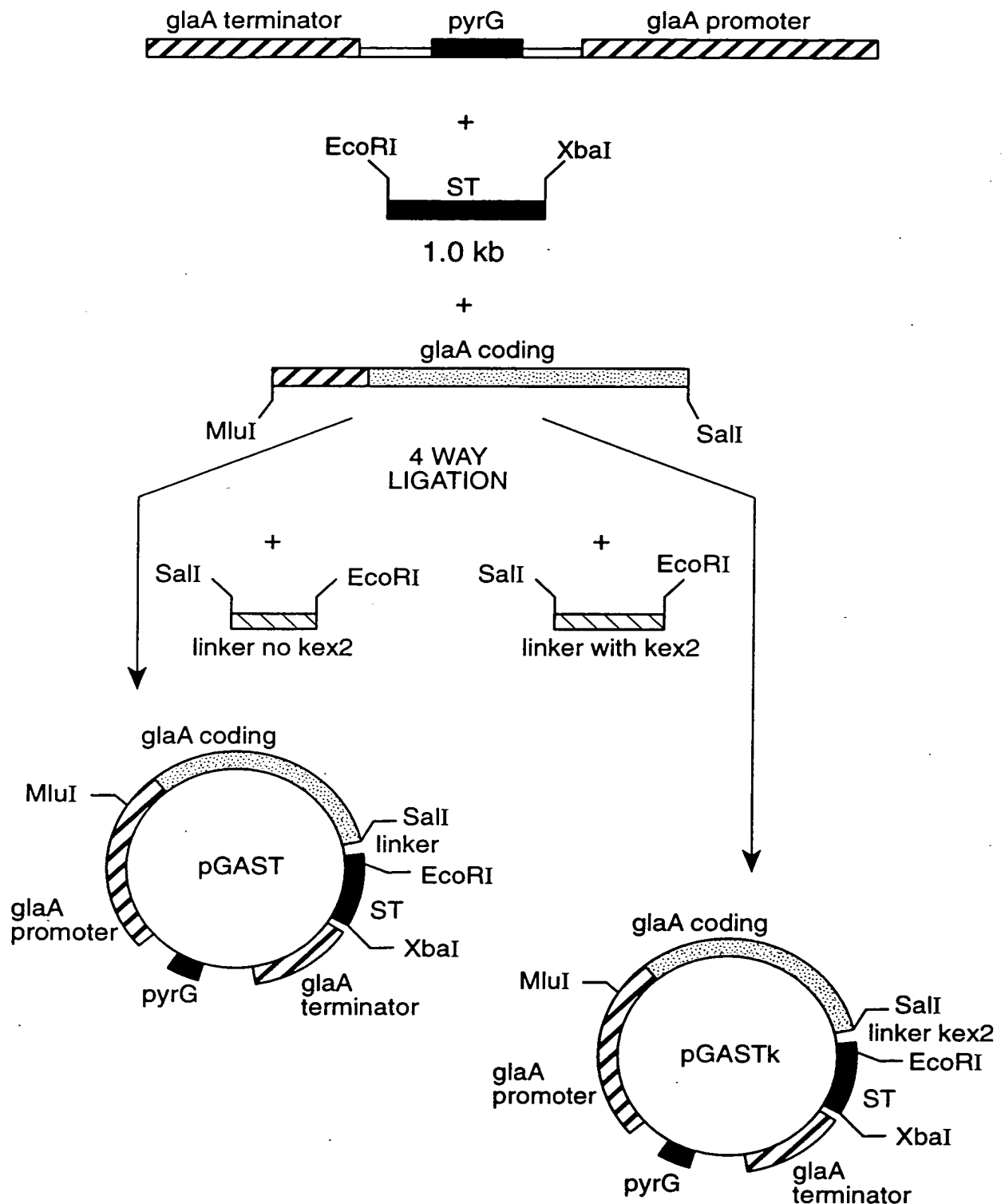
**CORRECT CLONES  
VERIFIED BY  
SEQUENCING**

**GAM-ST link SalI-EcoRI with kex**

TCG ACC GCG ACG GTG ACC GAC ACC TGG CGG AAG CGC CTA CAC TTA CTC  
 CAA TGG GAA GAC TCG  
 A ATT CGA GTC TTC CCA TTG GAG TAA GTG TAG GCG CTT CCG CCA GGT GTC  
 GGT CAC CGT CGC GG

**FIG.\_2B****FIG.\_2C**

**FIG.\_2D**

**FIG. 2E**

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5' CTAGCAAGCTACACTTACTCCAATGGGAAGACTCG 3'  
 5' AATTCGAGTCTTACCATTGGAGTAAGTGTAGCTTG 3'

Annealed and  
phosphorylated

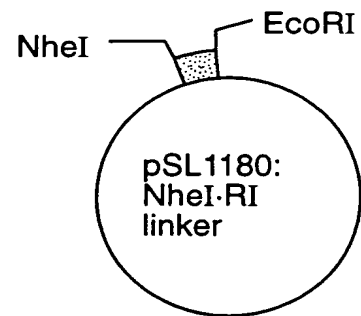
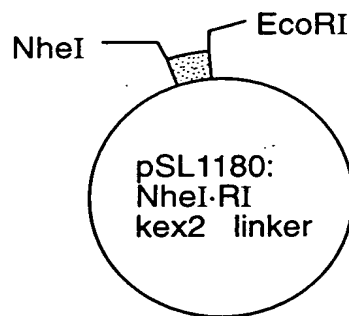
**linker with a kex2 protease cleavage site**

5' CTAGCAAGCGCCTACACTTACTCCAATGGGAAGACTCG 3'  
 5' AATTCGAGTCTTACCATTGGAGTAAGTGTAGGCGCTTG 3'

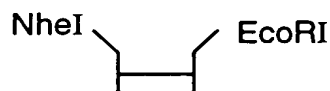
Annealed and  
phosphorylated

Ligated into  
pSL1180:  
NheI/EcoRI

Ligated into  
pSL1180:  
NheI/EcoRI



Sequenced and identified  
correct linkers  
Digested with NheI/EcoRI



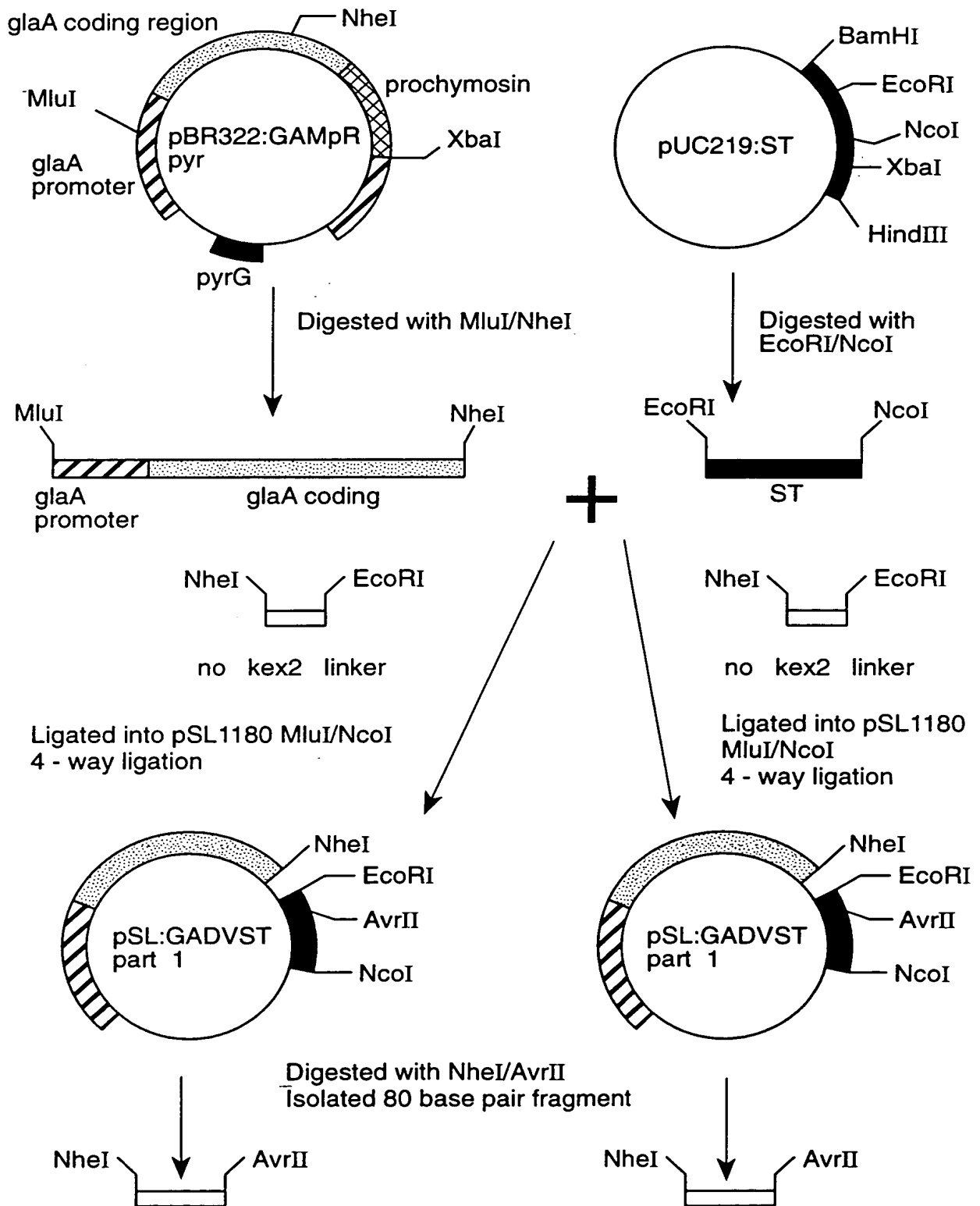
kex2 linker

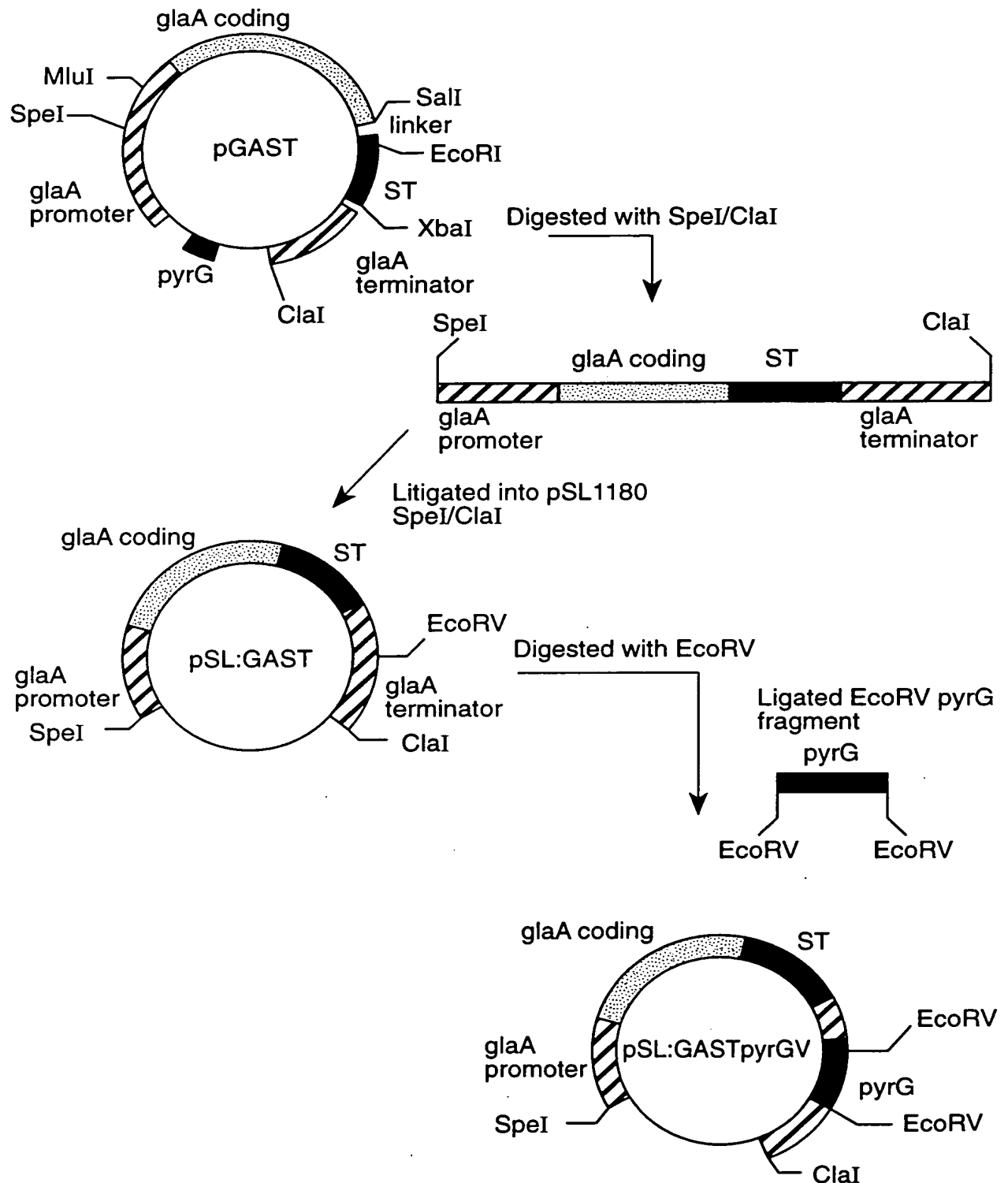


no kex2 linker

**FIG.\_3A**

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**FIG.\_3B**

**FIG.\_3C**

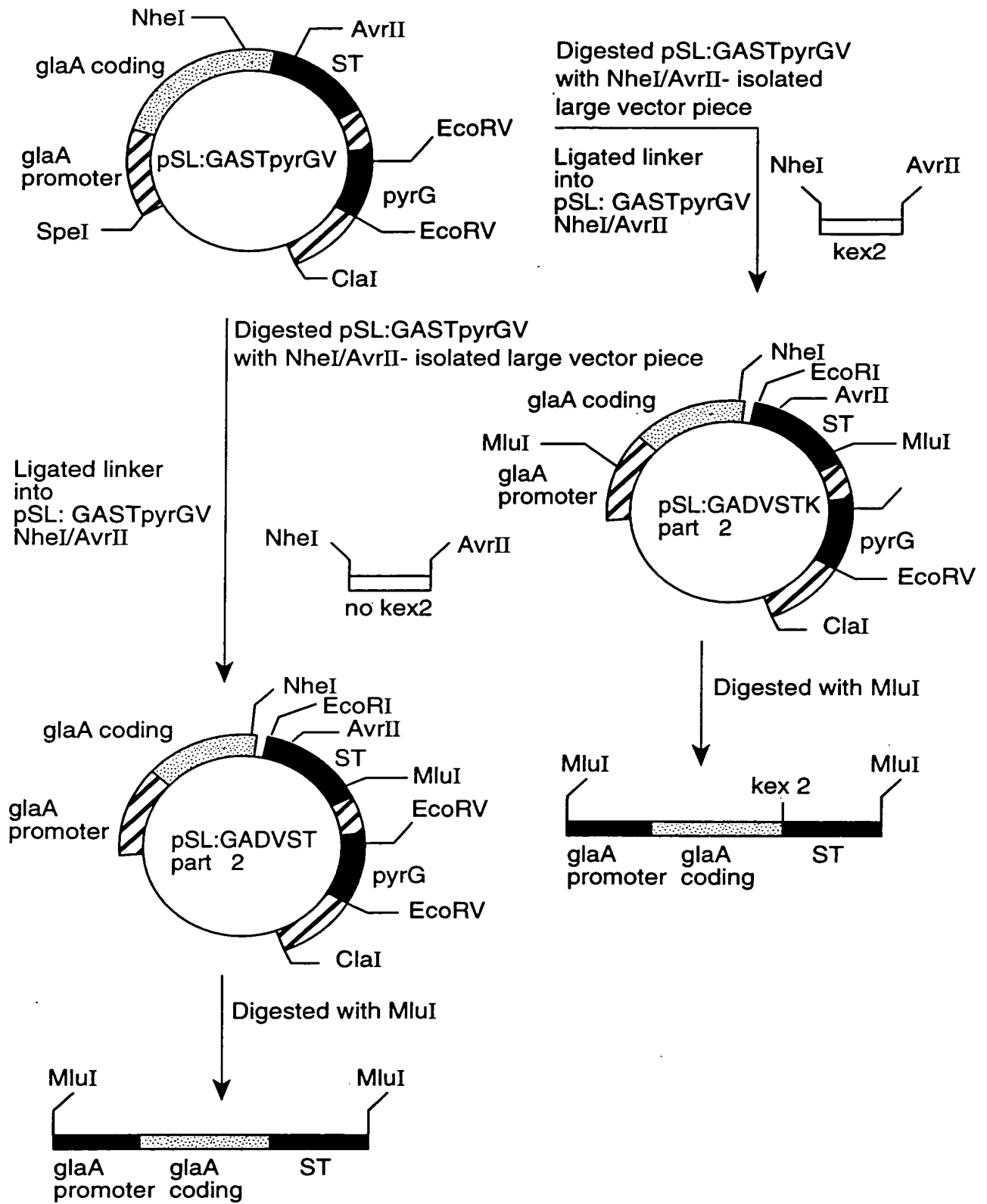
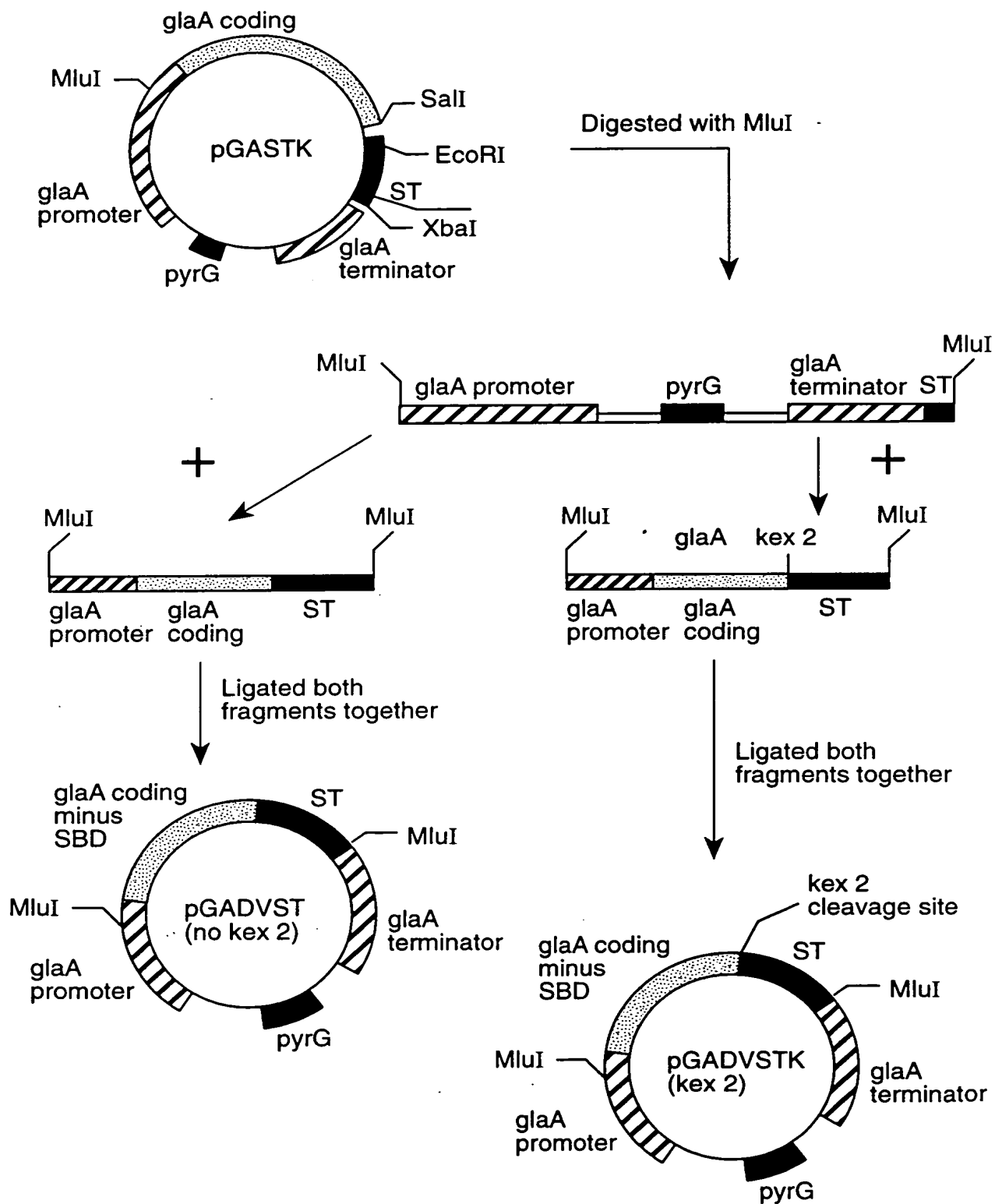
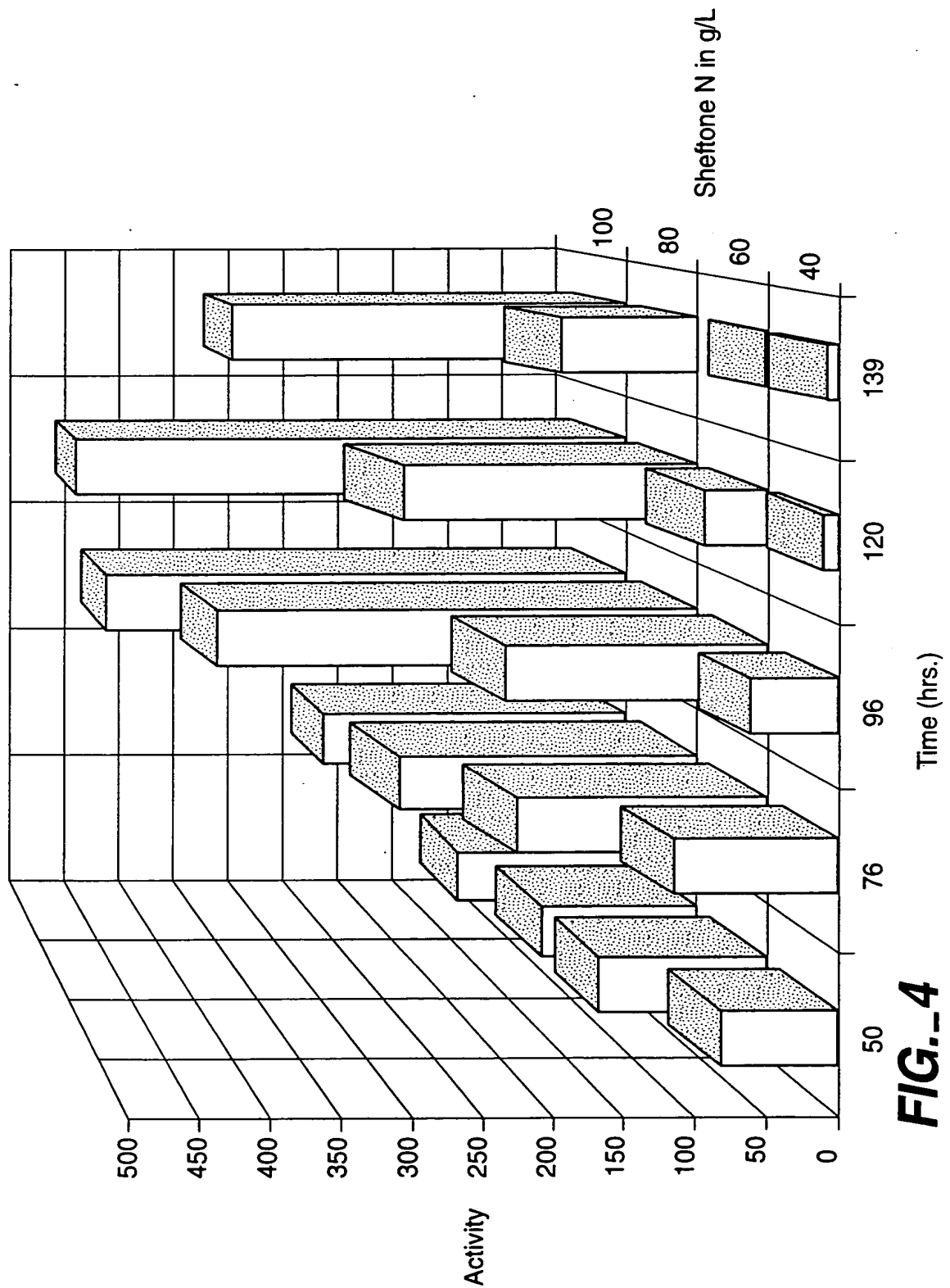


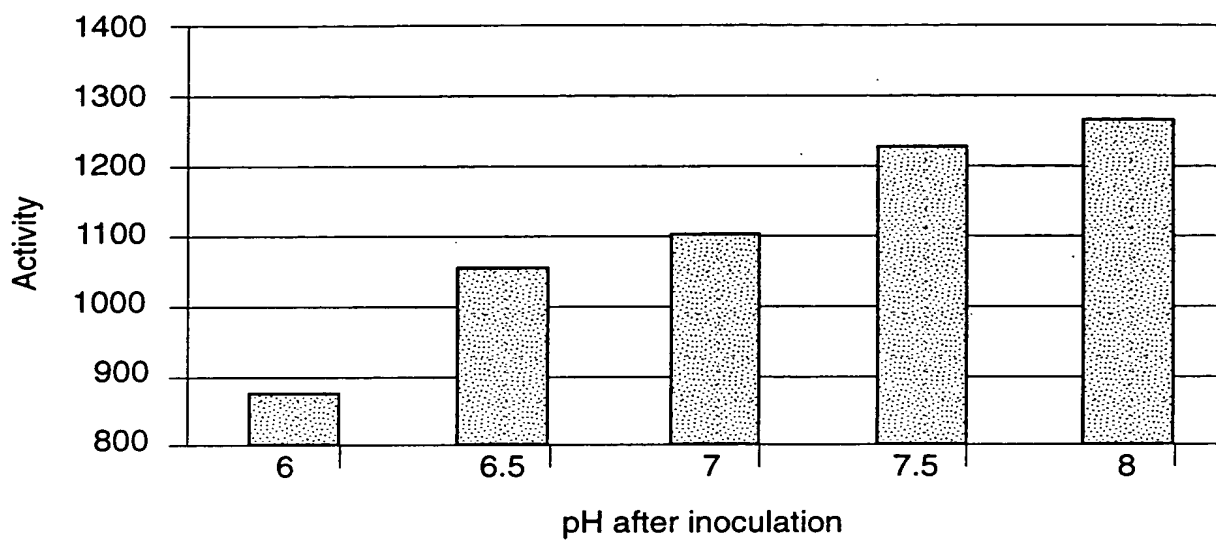
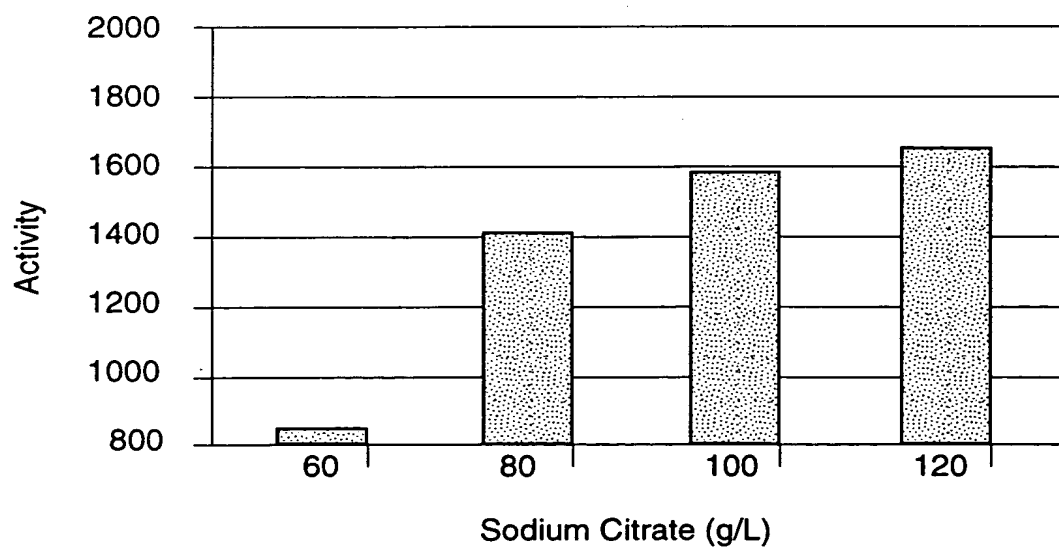
FIG. 3D

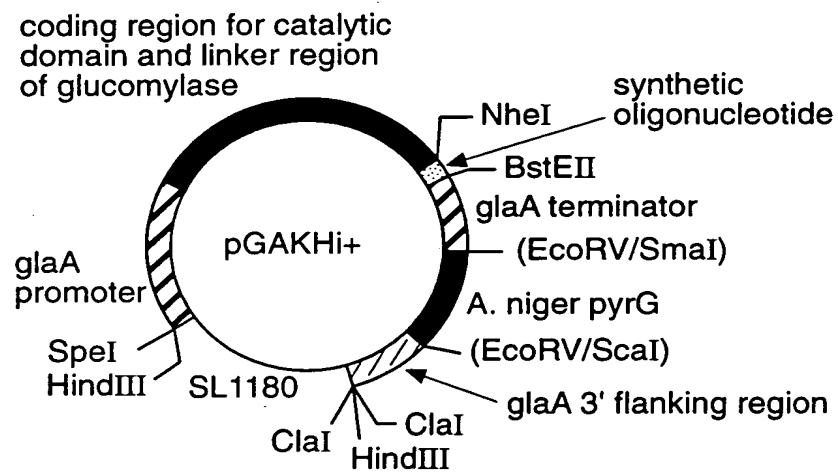


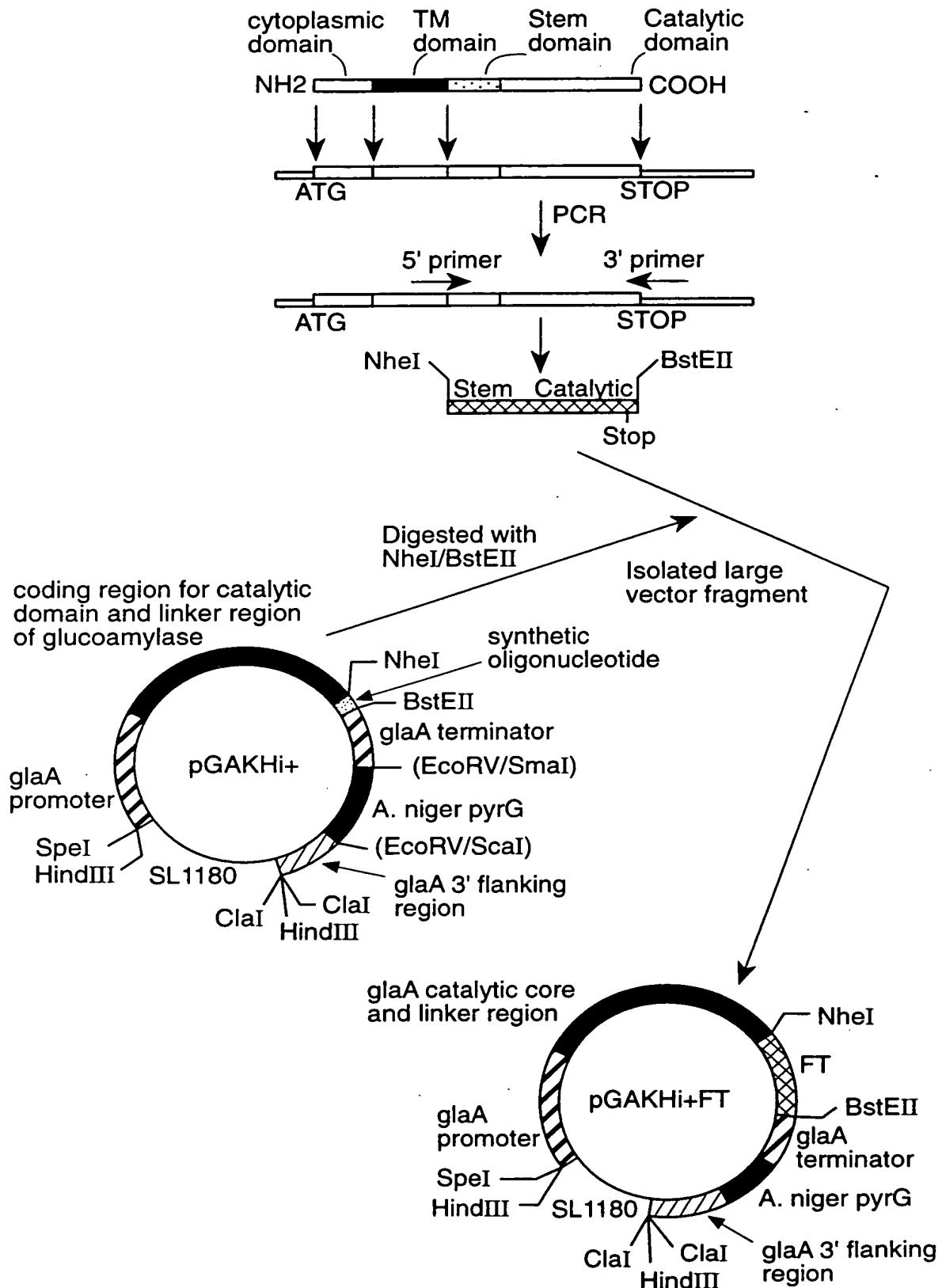
**FIG. 3E**

8155T-40" 6T0T9060

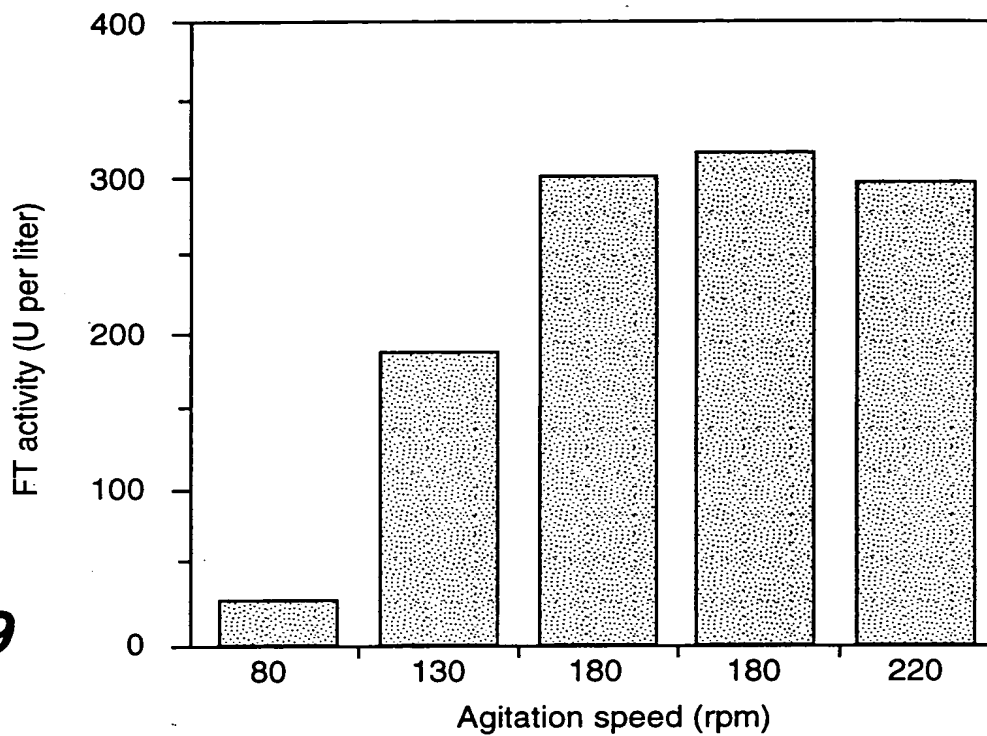
**FIG..4**

**FIG.\_5****FIG.\_6**

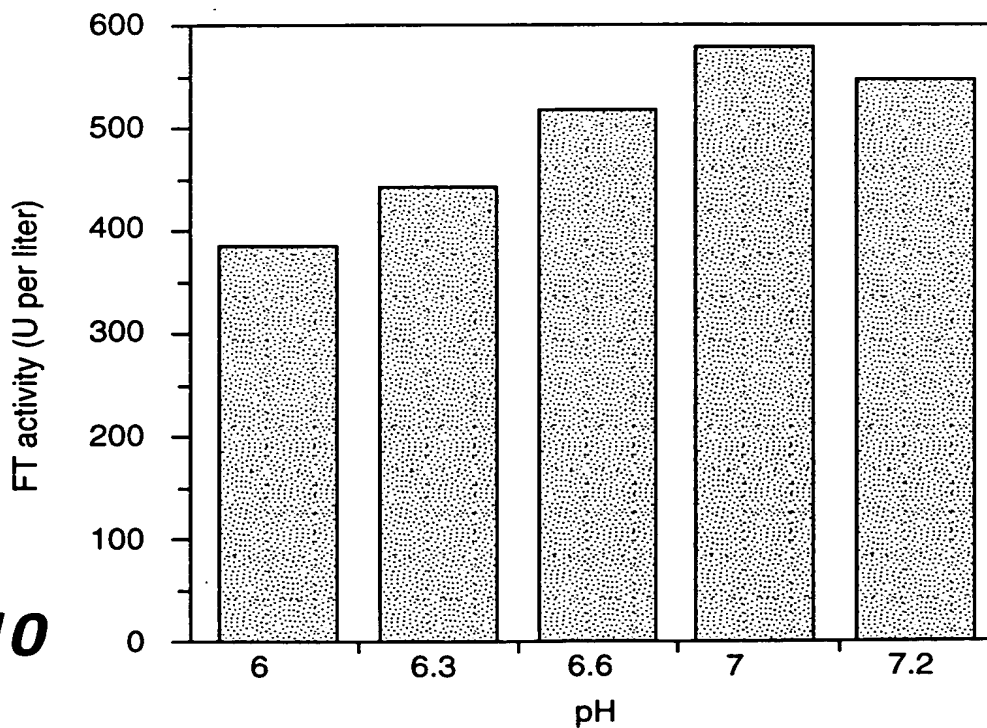
**FIG.\_7**

**FIG.\_8**

KK17 A. niger FT transformant  
4 days, 32C, pH 7.0

**FIG.\_9**

KK17 FT transformant  
4 days, 32C, 220 rpm

**FIG.\_10**

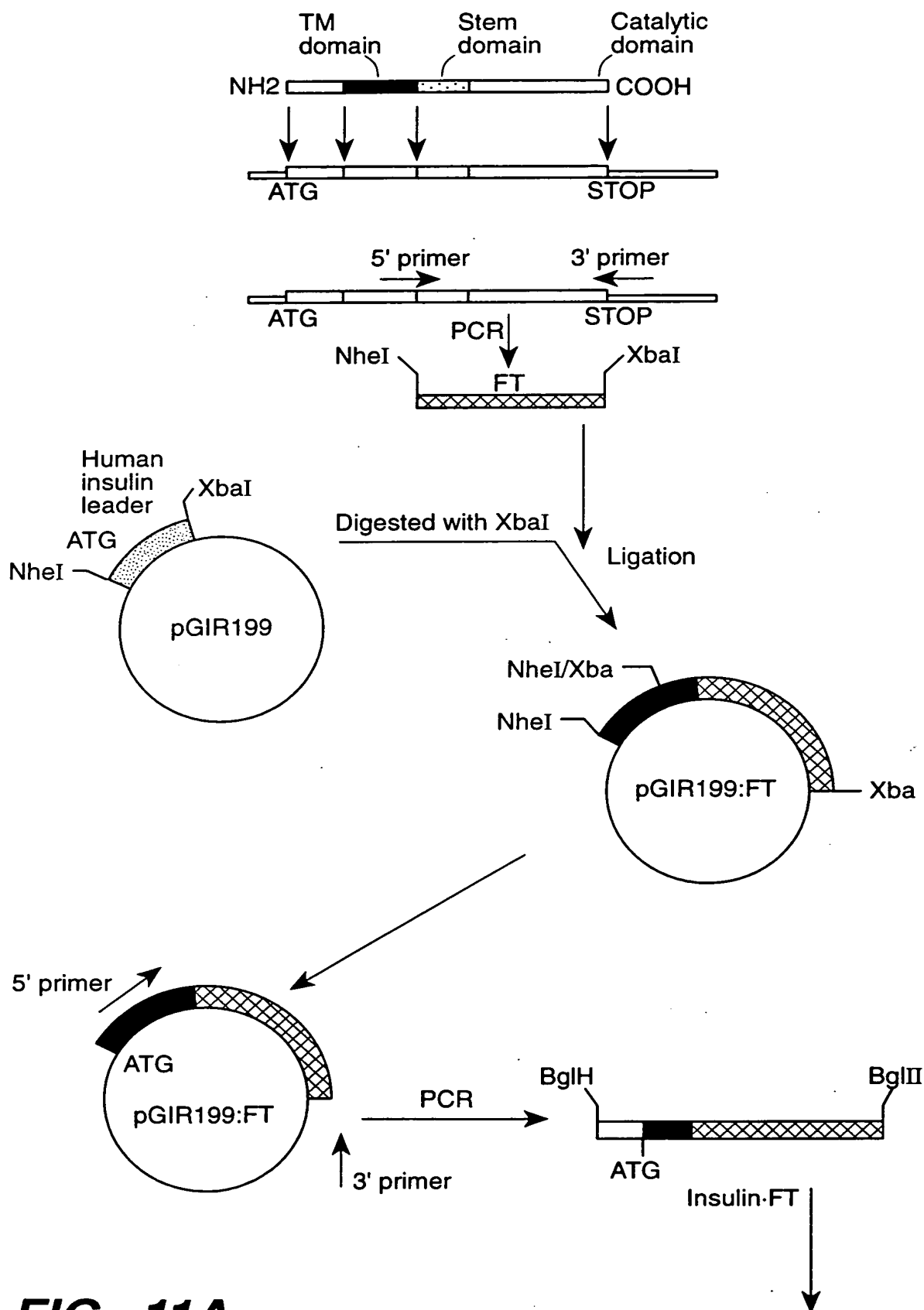
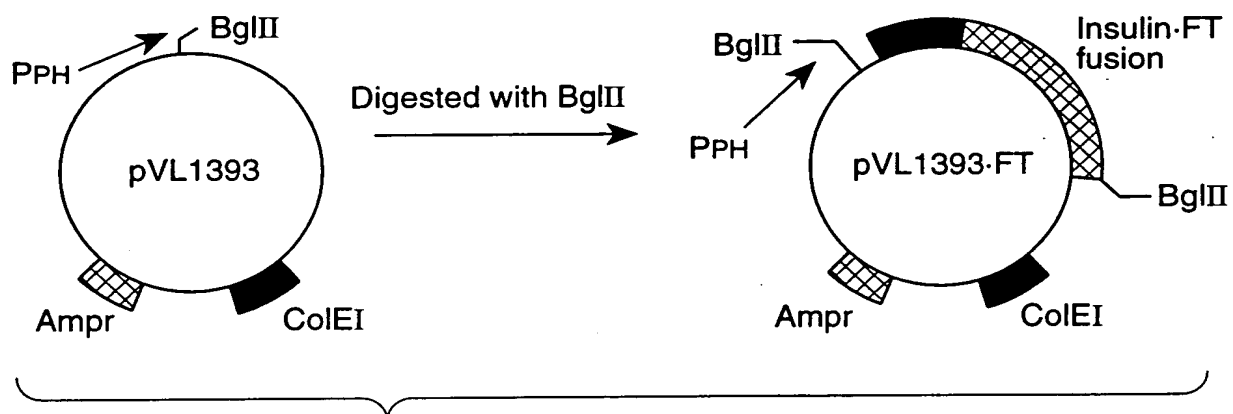


FIG.\_11A

**FIG.\_11B****FIG.\_11A****FIG.\_11****FIG.\_11B**

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